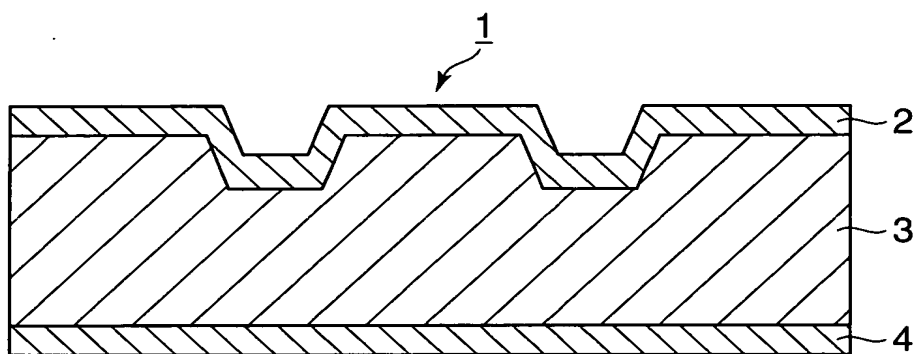


FIG.1



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FIG. 2

The flowchart illustrates the manufacturing process for a composite material, starting with the input of raw materials and pigments, followed by various processing steps including weighing, mixing, screening, and flaking, and finally the addition of chemicals and water additives.

Raw Materials and Pigments:

- CEMENT, FLY ASH, SILICA SAND, WOOD CHIPS, WOOD FIBERS, CHEMICALS AND WATER ADDITIVES
- PIGMENT

Processing Steps:

- WEIGHING MACHINE (13):** Receives CEMENT, FLY ASH, and SILICA SAND.
- WEIGHING MACHINE (14):** Receives output from 13 and WOOD CHIPS.
- FLAKER (15):** Receives output from 14.
- SCREENING MACHINE (16):** Receives output from 15.
- SILO (FOR FINE FLAKES) (17):** Receives output from 16.
- WEIGHING MACHINE (19):** Receives output from 17.
- SILO (FOR COARSE FLAKES) (18):** Receives output from 16.
- WEIGHING MACHINE (20):** Receives output from 18.
- DEFIBRATOR (21):** Receives output from 20 and WOOD FIBERS.
- SILO (22):** Receives output from 21.
- WEIGHING MACHINE (23):** Receives output from 22.
- WEIGHING MACHINE (24):** Receives output from 23 and CHEMICALS AND WATER ADDITIVES.

Mixing and Layer Formation:

- PIGMENT-MIXING APPARATUS (FOR FRONT LAYER) (11'):** Receives output from 24 and PIGMENT.
- MIXING APPARATUS (FOR FRONT AND BACK LAYERS) (11):** Receives output from 11' and 19.
- MIXING APPARATUS (FOR CORE LAYER) (12):** Receives output from 11 and 23.

Final Output:

- ① (Output from 11')
- ② (Output from 12)

FIG.3

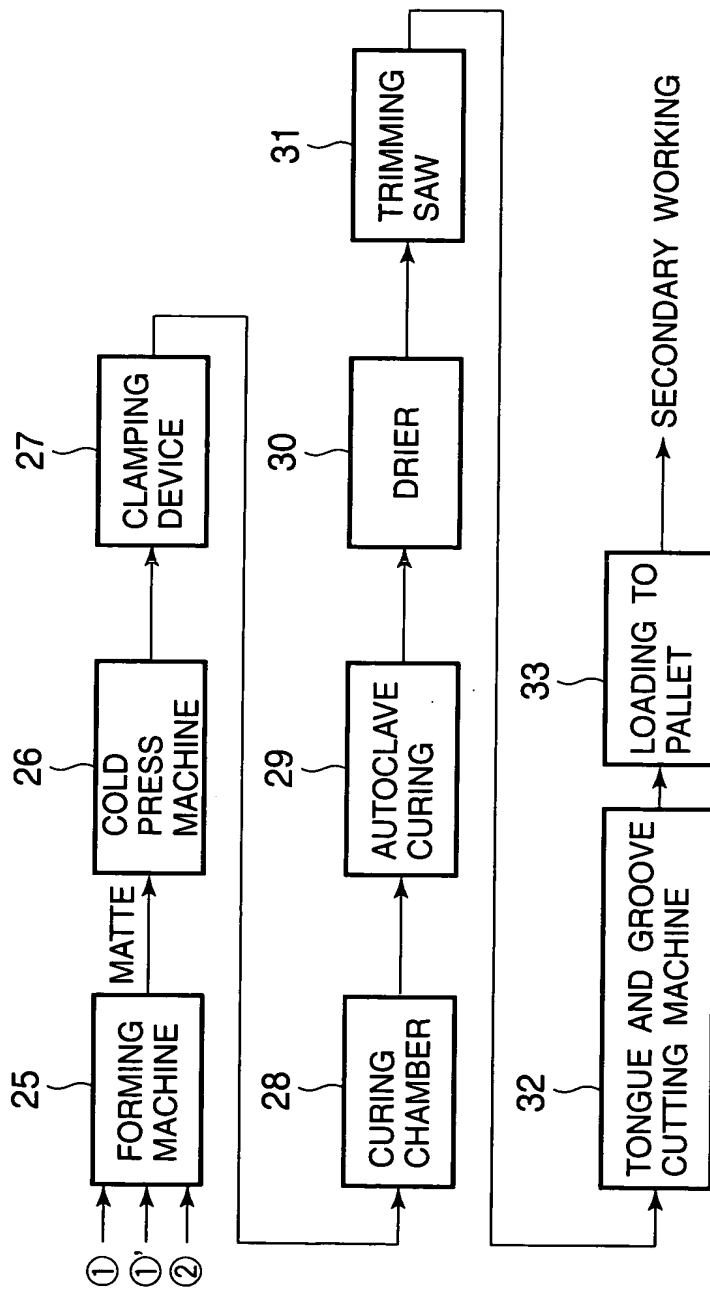


FIG.4A

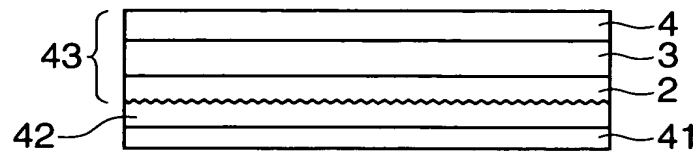


FIG.4B

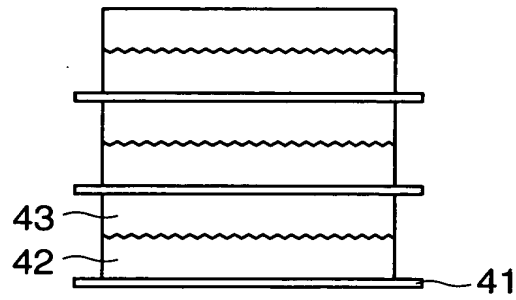


FIG.4C

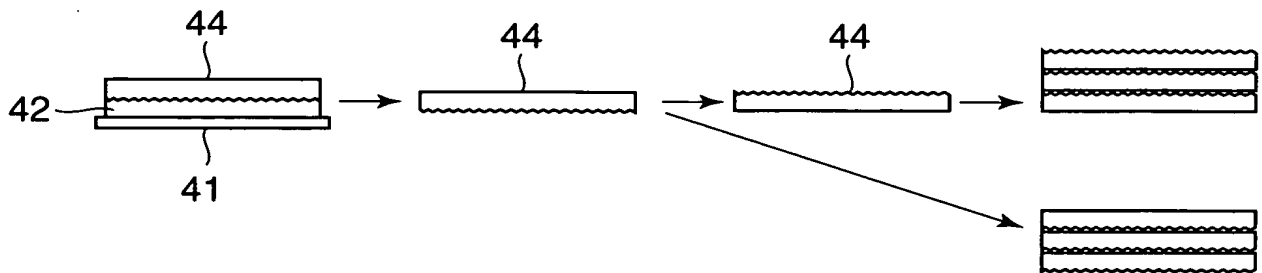


FIG.5A

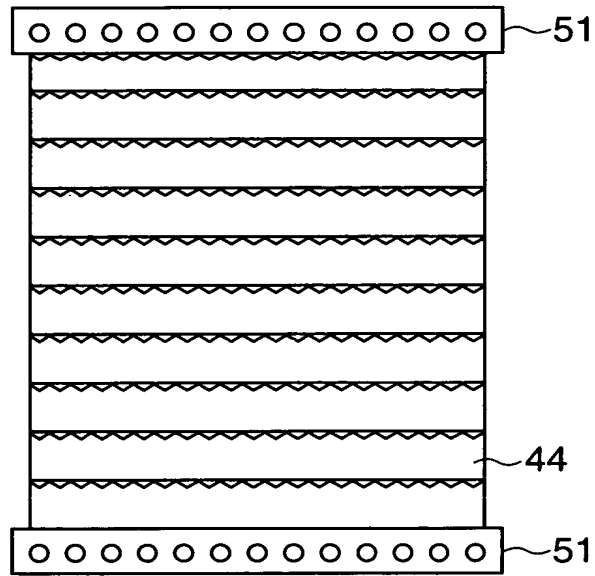


FIG.5B

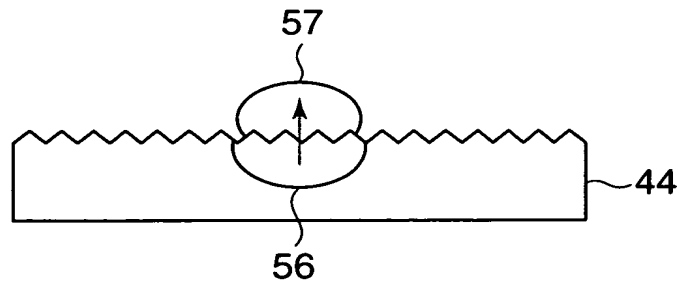


FIG.6A

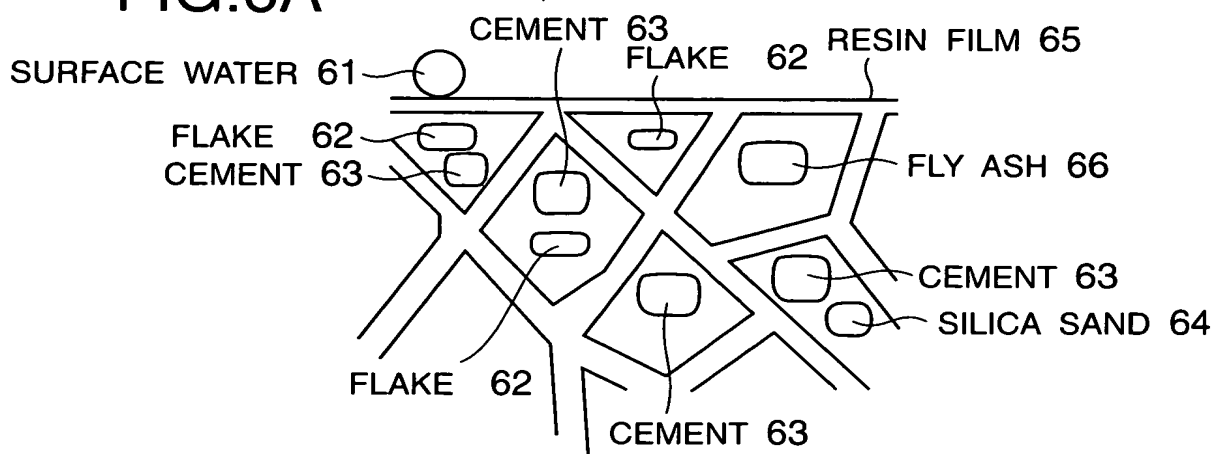


FIG.6B

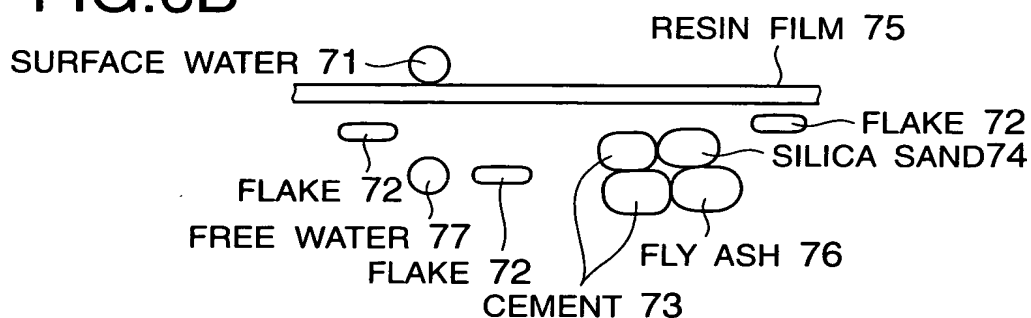


FIG.6C

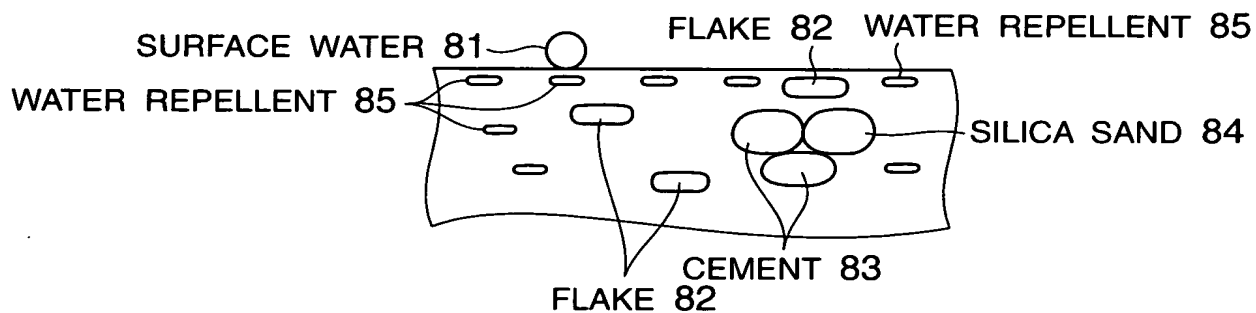


FIG.6D

